

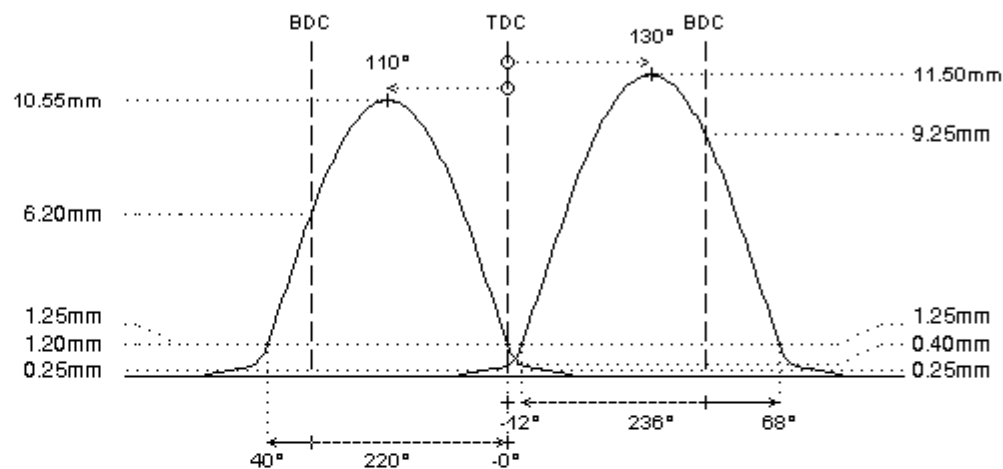
7107511

turbo conversion

Toyota 3S-GE 4th gen, VVT in
I-4cyl 2.0L 16v DOHC (DTx/DTx)



	intake	exhaust
camshaft data:		
lash ramp	: 0.25mm	0.25mm
duration @ 0.1mm	: 269°	256°
duration @ 1.0mm	: 236°	220°
valve lift	: 11.50mm	10.55mm
cam lift	: 11.50mm	10.55mm
lobe angle	: 130°	110°
timing @ 1.0mm	: -12° / 68°	40° / -0°
valve lift @ TDC	: 0.40mm	1.20mm
parts setup:		
cam wheels :	:	:
follower	: O.E.M.	: O.E.M.
valve lash	: O.E.M.	: O.E.M.
valve	: O.E.M.	: O.E.M.
valve locks	: O.E.M.	: O.E.M.
upper retainer	: 99580	: 99580
lower retainer	: O.E.M.	: O.E.M.
exterior spring	: PAC-S90019	: PAC-S90019
interior spring		
fitted load / length	: 31kg @ 35.5mm	: 31kg @ 35.5mm
max. load / lift	: 80kg @ 12.5mm	: 80kg @ 12.5mm



REMARKS :

for TURBO conversion (atmospheric to turbo)

REMARKS :

- # check distance between valve seal and retainer to be at least 0.6mm at full lift
- # Lower valve seal if lift is more than 11.5mm